

Dear True college recruiter,

I am excited to apply for the Software Development Intern position at True College.

Here is my preliminary approach (very basic) to designing and creating an MVP for a social media platform:

1. Make three version of this platform – Android, IOS & web-based.
2. Use Microsoft Azure, Amazon AWS, or Google Firebase as the online backend database.
 - This step should consider the possible user throughput and make sure it's scalable for growth potential.
3. sign-up and user info update module:
 - Platform requires each user to create their account for the first time they login, with either their phone number or email address. This account initialization would create new account and send request to interact with the above-mentioned online database.
 - We can collect more user feature for further Recommendation module via LLM/AI module (below), questionnaire, college quizzes, SAT/GRE sample test.
4. Recommendation module:
 - Integrated with LLM/AI chat module (below).
 - Based on the collection data result via LLM/AI chat, questionnaires, or quizzes, we update user's account info.
 - Utilize above user info as features, send them into most recent open-source recommendation algorithm such as contextual-based GNN model to do connection recommendation, provide user with their desired college officer or alumni connection recommendation.
5. LLM/AI chat module:
 - Integrated with Recommendation module (above).
 - this LLM/AI is tailored to:
 - a. Collect user info while chatting with users and update their features.
 - b. Return the recommendation result of GNN and present it back to user via a very friendly 'chit-chat' style to make them feel ease and comfortable via interacting with AI (feeling like talking with a very experienced mentor to guide them through the whole college selection process).
6. Connection module:
 - Including send friend request, messaging each other, make connection and keep a history of all dialogs, interact with above-mentioned backend.
7. GUI:

- Android: Android studio provides a GUI-based fast development IDE to do it.
 - IOS: Xcode does similar thing.
 - Web-based: skipped.
8. Security module:
 - Encryption, and cyber security to protect company data and client privacy. Honestly, I don't know much about this part.
 9. Feedback module:
 - Make sure there is always a way to connection or talk to True College App Rep, via either phone or emails.
 10. Membership module:
 - Set different level of membership to different clients, high membership includes unlimited access to all quizzes and more connection/interaction/friend request/exposures to college officer or alumni.

My relevant project experience including web design and Instant Message APP (demo under 'course work' tab), you can find the demo on my personal project display website (ctrl + left-click):

<https://genwei-zhang.github.io/resume/>

Dear True college recruiter, I am a third-year international PhD student at New Jersey Institute of Technology. I always value programmers as problem solvers, dedicated to delivering solutions to real-world problems using whatever technology is needed. I do not limit my work to just front-end, back-end, UI, traditional algorithms, or AI, but to do whatever my company needs.

My career goal is to ensure that my company can always harness cutting-edge technologies and business methods to provide our clients with a top-tier service experience. I believe my versatile skill set can compensate for my lack of working experience, which would be particularly useful to a startup company like True College.

Thank you for considering my application. I hope to discuss it in more detail during an interview at your convenience.

Very Sincerely,

Genwei Zhang